

# **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT Colorado State Office 2850 Youngfield Street Lakewood, Colorado 80215-7076

IN REPLY REFER TO: CO922(BD)

July 25, 2005

# **NOTICE OF ADDENDUM - 2**

This amends the Colorado State Office, Competitive Oil and Gas Lease Sale Notice dated June 27, 2005 with the Lease Sale Auction to be held on August 11, 2005.

The following parcels are corrected as follows:

Parcel COC68786: Add Exhibit UB-10.

Parcel COC68793: Add Exhibit GS-CSU-4 and Exhibit GS-LN-13, copies attached to this addendum.

<u>Parcel COC68794:</u> Add Exhibit GS-NSO-2, Exhibit GS-CSU-2, Exhibit GS-CSU-4, GS-CSU-05 and Exhibit GS-LN-13, copies attached to this addendum.

<u>Parcels COC-68795 and COC68796 and COC68799</u> are deferred from sale until the Roan Plateau RMP amendment is completed.

<u>Parcel COC68797:</u> Add Exhibit GS-NSO-2, Exhibit GS-CSU-2, Exhibit GS-CSU-4, GS-TL-1, GS-TL-6 and Exhibit GS-LN-13, copies attached to this addendum.

<u>Parcel COC68798:</u> Section 23 is deferred until the Roan Plateau RMP amendment is completed. This changes the acreage to 160.000. Add Exhibit GS-CSU-4, GS-TL-1 and Exhibit GS-LN-13, copies attached to this addendum.

Parcel COC68804: changes to the legal description on the following stipulations:

FS-04 – Controlled Surface Use – Moderate Geologic Hazards

<u>T. 9 S., R. 95 W., 6<sup>th</sup> PM</u>

Section 2: Lot 3,4,S2NW,SW

Section 7: All Section 8: All

FS-02 – No Surface Occupancy – Wetlands/Floodplains, Riparian Areas

T. 9 S., R. 95 W., 6<sup>th</sup> PM

Section 2: Lot 3,4,S2NW,SW

Section 7: All Section 8: All

FS-04 – Controlled Surface Use – Slopes 40-60%

T. 9 S., R. 95 W., 6<sup>th</sup> PM

Section 2: Lot 3,4,S2NW,SW

Section 7: All Section 8: All

FS-02 – No Surface Occupancy – Slopes > 60%

T. 9 S., R. 95 W., 6<sup>th</sup> PM

Section 2: Lot 3,4,S2NW,SW

Section 7: All Section 8: All

FS-02 – No Surface Occupancy – Roadless Areas

T. 9 S., R. 95 W., 6<sup>th</sup> PM

Section 2: Lot 3,4,S2NW,SW

Section 7: All Section 8: All

Parcel COC68806: changes to the legal description on the following stipulations:

FS-04 – Controlled Surface Use – Moderate Geologic Hazards

T. 9 S., R. 96 W., 6<sup>th</sup> PM

Section 24: Lot 2-4,SWNE,W2,E2SE

FS-02 – No Surface Occupancy – Slopes > 60%

T. 9 S., R. 96 W., 6<sup>th</sup> PM

Section 24: Lot 2-4,SWNE,W2,E2SE

Parcel COC68808: Add to Exhibit GJ-3JA Section 21: TR 114A

Parcel COC68839: change to the legal description on stipulation UB-04

T. 47 N., R. 8 W., 6<sup>th</sup> PM

Section 1: Lot 4;

Section 1: SWNW,SWSW;

Section 2: Lot 1-4;

Section 2: S2N2,SW,N2SE;

Section 11: W2W2;

<u>Parcel COC68862:</u> Legal description was left off of stipulation SJ-03: Sec. 18: N2,N2S2,SESW,S2SE; and Sec. 19: E2,E2W2,W2SW;

Parcel COC68863: Legal description was left off of stipulation CO-27: Sec. 5: Lot 5-8, S2S2; Sec. 6: Lot 4-10, SESW,S2SE;, Sec. 7: Lot 5-12, E2W2,E2; Sec. 8: N2,SW;

**Parcel COC68865:** Legal description was left off of stipulation CO-09: Sec. 25: Lot 3,4, W2,W2SE; Sec. 16: All; Sec. 27: N2. stipulation CO-27: Sec. 27: N2.

<u>Parcel COC68867:</u> Deferring Sec. 30: SE; due to Gunnison Sage Grouse Occupied Habitat. Changes acreage to 799.910.

Beverly A. Derringer Chief, Fluid Minerals Adjudication

Attachments

#### **EXHIBIT UB-10**

Lease Number: COC68786

# COALBED METHANE/COAL MINING STIPULATION

On the lands described below:

All Lands

For the purpose of (reasons):

To protect the maximum economic recovery and safety of coal mining where the overburden is 3500 feet or less

Any changes to this stipulation will be made in accordance with the land use plan and/or the regulatory provisions for such changes. (For guidance on the use of the stipulation, see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820.)

### Exception Criteria:

Within the Paonia-Somerset Known Recoverable Coal Resource Area (KRCRA), coal and oil and gas leasing and development will be managed consistent with land use plans and lease terms. More specifically, the portions of the KRCRA where the overburden above the B-Seam of the Mesa Verde coals is less than 3500 feet will be managed primarily for the exploration and development of the coal resources. Oil and gas operators anticipating exploration or development operations are encouraged to consult and coordinate their activities with the affected coal operators. In the event that the oil and gas and coal operators are unable to reach agreement on proposed oil and gas exploration or development, the BLM authorized officer will intervene and use all pertinent lease terms, regulations, and policy to determine what course of action is in the public's interest. However, under no circumstances will the BLM approve any oil and gas operations that compromise maximum economic coal recovery or the safety of underground mining operations.

Lease Number: COC68793

#### CONTROLLED SURFACE USE STIPULATION

Surface occupancy or use is subject to the following special operating constraints.

On the lands described below:

All Lands

For the Purpose of protecting:

Erosive Soils and Slopes Greater Than 30 Percent: special design, construction, and operation and reclamation measures will be required to limit the amount of surface disturbance, to reduce erosion potential, to maintain site stability and productivity, and to insure successful reclamation in identified areas of highly erosive soils and of slopes greater than 30 percent. Highly erosive soils are soils in the "severe" and "very severe" erosion classes based on NARCS Erosion Condition mapping. Areas identified in the RMP as Erosion Hazard Areas and Water Quality Management Areas are also included in this stipulation. Implementation may include relocation of operations beyond 200 meters.

The surface use plan of the APD submitted for wells on erosive soils or slopes greater than 30 percent must include specific measures to comply with the GSRA Reclamation Policy, such as stabilizing the site to prevent settling, land sliding, slumping, and highwall degradation, and controlling erosion to protect the site and adjacent areas from accelerated erosion and sedimentation and siltation of nearby water sources.

Specific performance objectives for the plan include:

- Limitation of total disturbance to 3.0 acres for the wellpad;
- Limitation of the interim "in use" area to 0.5 acres; and
- Maximizing the area of interim reclamation that is shaped to a grade of 3:1 or less; any planned highwall must be demonstrated to be safe and stable and include enhanced reclamation and erosion prevention measures as needed.

The operator must also provide an evaluation of the site's reclamation

potential based on problematic characteristics of the site (slope, aspect, vegetation, depth of soils, soil salinity and alkali content) and a comparison of the site with comparable sites already constructed. When the proposed site is comparable to sites where reclamation has not been successful, the operator will be required to make adjustments to reclamation techniques. Special measures might include: locating production facilities off-site; building roads to higher standards, including surfacing; constructing sediment catchments; reclaiming the reserve pit immediately after use; and applying fertilizers, mulches, soil additives and geotextile fabrics. The Authorized Officer will evaluate plans submitted by the operator and approve a design and any special measures that best accomplish the performance objectives, achieving a reasonable balance of site stability and re-vegetation potential and minimizing overall disturbance.

Lease Number: COC68793

### LEASE NOTICE

This lease may be found to contain historic properties and/or resources protected under the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act, Native American Graves Protection and Repartriation Act, E.O. 13007, or other statutes and executive orders. The BLM will not approve any ground disturbing activities that may affect any such properties or resources until it completes its obligations under applicable requirements of the NHPA and other authorities. The BLM may require modification to exploration or development proposals to protect such properties, or disapprove any activity that is likely to result in adverse effects that cannot be successfully avoided, minimized or mitigated.

On the lands described below:

Lease Number: COC68794

# CONTROLLED SURFACE USE STIPULATION

Surface occupancy or use is subject to the following special operating constraints.

On the lands described below:

T. 0050S., R 0930W., 6<sup>TH</sup> PM

Sec. 9: NWNE; Sec. 9:W2NWSE;

For the Purpose of protecting:

Riparian and Wetland Zones: within 500 feet of the outer edge of the riparian or wetland vegetation, activities associated with oil and gas exploration and development, including roads, pipelines and wellpads, may require special design, construction, and implementation measures, including relocation of operations beyond 200 meters, in order to protect the values and functions of the riparian and wetland zones. Such measures will be based on the nature, extent and value of the riparian vegetation are most important to the function of the riparian zone and will be avoided.

Lease Number: COC68794

#### CONTROLLED SURFACE USE STIPULATION

Surface occupancy or use is subject to the following special operating constraints.

On the lands described below:

All Lands

For the Purpose of protecting:

Erosive Soils and Slopes Greater Than 30 Percent: special design, construction, and operation and reclamation measures will be required to limit the amount of surface disturbance, to reduce erosion potential, to maintain site stability and productivity, and to insure successful reclamation in identified areas of highly erosive soils and of slopes greater than 30 percent. Highly erosive soils are soils in the "severe" and "very severe" erosion classes based on NARCS Erosion Condition mapping. Areas identified in the RMP as Erosion Hazard Areas and Water Quality Management Areas are also included in this stipulation. Implementation may include relocation of operations beyond 200 meters.

The surface use plan of the APD submitted for wells on erosive soils or slopes greater than 30 percent must include specific measures to comply with the GSRA Reclamation Policy, such as stabilizing the site to prevent settling, land sliding, slumping, and highwall degradation, and controlling erosion to protect the site and adjacent areas from accelerated erosion and sedimentation and siltation of nearby water sources.

Specific performance objectives for the plan include:

- Limitation of total disturbance to 3.0 acres for the wellpad;
- Limitation of the interim "in use" area to 0.5 acres; and
- Maximizing the area of interim reclamation that is shaped to a grade of 3:1 or less; any planned highwall must be demonstrated to be safe and stable and include enhanced reclamation and erosion prevention measures as needed.

The operator must also provide an evaluation of the site's reclamation tial based on problematic characteristics of the site (slope, aspect, vegetati

potential based on problematic characteristics of the site (slope, aspect, vegetation, depth of soils, soil salinity and alkali content) and a comparison of the site with comparable sites already constructed. When the proposed site is comparable to sites where reclamation has not been successful, the operator will be required to make adjustments to reclamation techniques. Special measures might include: locating production facilities off-site; building roads to higher standards, including surfacing; constructing sediment catchments; reclaiming the reserve pit immediately after use; and applying fertilizers, mulches, soil additives and geotextile fabrics. The Authorized Officer will evaluate plans submitted by the operator and approve a design and any special measures that best accomplish the performance objectives, achieving a reasonable balance of site stability and re-vegetation potential and minimizing overall disturbance.

Lease Number: COC68794

# CONTROLLED SURFACE USE STIPULATION

Surface occupancy or use is subject to the following special operating constraints.

On the lands described below:

All Lands

For the Purpose of protecting:

Visual Resource Management (VRM) Class II Areas: protection may include special design requirements, relocation of operations by more than 200 meters, and other measures to retain the overall landscape character. Such measures would be designed to blend the disturbance in with the natural landscape so that it does not attract attention from key observation points. BLM acknowledges that activities on private lands may alter the landscape character and such modifications will be considered when evaluating mitigation proposals relative to the visual quality of the overall landscape.

#### **EXHIBIT GS-NSO-02**

Lease Number: COC68794

# NO SURFACE OCCUPANCY STIPULATION

No surface occupancy/or use is allowed on the lands described below:

<u>T 0050S., R 0930W., 6<sup>th</sup> PM</u> Sec. 9: N2NE,SWNE,W2SENE; Sec. 9: W2NWSE,NENWSE;

# For the Purpose of protecting:

Riparian and Wetland Zones: To maintain the proper function of riparian zones, activities associated with oil and gas exploration and development, including roads, transmission lines and storage facilities, are restricted to an area beyond the outer edge of the riparian vegetation.

Any changes to this stipulation will be made in accordance with the land use plan/or the regulatory provisions for such changes. (For guidance on the use of this stipulation, see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820.)

# Exception Criteria:

- a) An exception may be granted if the Authorized Officer determines that the activity will cause no loss of riparian vegetation, or that the vegetation lost can be replaced within three to five years with vegetation of like species and age class;
- b) Within the riparian vegetation, an exception is permitted for stream crossings, if an area analysis indicates that no suitable alternative is available.

Lease Number: COC68794

### LEASE NOTICE

This lease may be found to contain historic properties and/or resources protected under the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act, Native American Graves Protection and Repartriation Act, E.O. 13007, or other statutes and executive orders. The BLM will not approve any ground disturbing activities that may affect any such properties or resources until it completes its obligations under applicable requirements of the NHPA and other authorities. The BLM may require modification to exploration or development proposals to protect such properties, or disapprove any activity that is likely to result in adverse effects that cannot be successfully avoided, minimized or mitigated.

On the lands described below:

Lease Number: COC68797

# CONTROLLED SURFACE USE STIPULATION

Surface occupancy or use is subject to the following special operating constraints.

On the lands described below:

T. 0050S., R 0930W., 6<sup>TH</sup> PM

Sec. 11: W2NW; Sec. 12: SENW,SW;

For the Purpose of protecting:

Riparian and Wetland Zones: within 500 feet of the outer edge of the riparian or wetland vegetation, activities associated with oil and gas exploration and development, including roads, pipelines and wellpads, may require special design, construction, and implementation measures, including relocation of operations beyond 200 meters, in order to protect the values and functions of the riparian and wetland zones. Such measures will be based on the nature, extent and value of the riparian vegetation are most important to the function of the riparian zone and will be avoided.

Lease Number: COC68797

#### CONTROLLED SURFACE USE STIPULATION

Surface occupancy or use is subject to the following special operating constraints.

On the lands described below:

All Lands

For the Purpose of protecting:

Erosive Soils and Slopes Greater Than 30 Percent: special design, construction, and operation and reclamation measures will be required to limit the amount of surface disturbance, to reduce erosion potential, to maintain site stability and productivity, and to insure successful reclamation in identified areas of highly erosive soils and of slopes greater than 30 percent. Highly erosive soils are soils in the "severe" and "very severe" erosion classes based on NARCS Erosion Condition mapping. Areas identified in the RMP as Erosion Hazard Areas and Water Quality Management Areas are also included in this stipulation. Implementation may include relocation of operations beyond 200 meters.

The surface use plan of the APD submitted for wells on erosive soils or slopes greater than 30 percent must include specific measures to comply with the GSRA Reclamation Policy, such as stabilizing the site to prevent settling, land sliding, slumping, and highwall degradation, and controlling erosion to protect the site and adjacent areas from accelerated erosion and sedimentation and siltation of nearby water sources.

Specific performance objectives for the plan include:

- Limitation of total disturbance to 3.0 acres for the wellpad;
- Limitation of the interim "in use" area to 0.5 acres; and
- Maximizing the area of interim reclamation that is shaped to a grade of 3:1 or less; any planned highwall must be demonstrated to be safe and stable and include enhanced reclamation and erosion prevention measures as needed.

The operator must also provide an evaluation of the site's reclamation

potential based on problematic characteristics of the site (slope, aspect, vegetation, depth of soils, soil salinity and alkali content) and a comparison of the site with comparable sites already constructed. When the proposed site is comparable to sites where reclamation has not been successful, the operator will be required to make adjustments to reclamation techniques. Special measures might include: locating production facilities off-site; building roads to higher standards, including surfacing; constructing sediment catchments; reclaiming the reserve pit immediately after use; and applying fertilizers, mulches, soil additives and geotextile fabrics. The Authorized Officer will evaluate plans submitted by the operator and approve a design and any special measures that best accomplish the performance objectives, achieving a reasonable balance of site stability and re-vegetation potential and minimizing overall disturbance.

#### **EXHIBIT GS-NSO-02**

Lease Number: COC68797

# NO SURFACE OCCUPANCY STIPULATION

No surface occupancy/or use is allowed on the lands described below:

T 0050S., R 0930W., 6<sup>th</sup> PM

Sec. 11: SWNW; Sec. 12: E2SW;

For the Purpose of protecting:

Riparian and Wetland Zones: To maintain the proper function of riparian zones, activities associated with oil and gas exploration and development, including roads, transmission lines and storage facilities, are restricted to an area beyond the outer edge of the riparian vegetation.

Any changes to this stipulation will be made in accordance with the land use plan/or the regulatory provisions for such changes. (For guidance on the use of this stipulation, see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820.)

# Exception Criteria:

- An exception may be granted if the Authorized Officer determines that the activity will cause no loss of riparian vegetation, or that the vegetation lost can be replaced within three to five years with vegetation of like species and age class;
- d) Within the riparian vegetation, an exception is permitted for stream crossings, if an area analysis indicates that no suitable alternative is available.

Lease Number: COC68797

# LEASE NOTICE

This lease may be found to contain historic properties and/or resources protected under the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act, Native American Graves Protection and Repartriation Act, E.O. 13007, or other statutes and executive orders. The BLM will not approve any ground disturbing activities that may affect any such properties or resources until it completes its obligations under applicable requirements of the NHPA and other authorities. The BLM may require modification to exploration or development proposals to protect such properties, or disapprove any activity that is likely to result in adverse effects that cannot be successfully avoided, minimized or mitigated.

On the lands described below:

Lease Number: COC68797

# TIMING LIMITATION STIPULATION

No surface use is allowed during the following time period(s). This stipulation does not apply to operation and maintenance of production facilities.

December 1 to April 30

On the lands described below:

**ALL LANDS** 

For the purpose of protecting:

Big Game Winter Habitat (includes mule deer, elk, pronghorn antelope and bighorn sheep) which includes severe big game winter range and other high value winter habitat as mapped by the Colorado Division of Wildlife.

Any changes to this stipulation will be made in accordance with the land use plan/or the regulatory provisions for such changes. (For guidance on the use of this stipulation, see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820.)

# Exception Criteria:

Under mild winter conditions, the last 60 days of the seasonal limitation period may be suspended after consultation with the CDOW. Severity of the winter will be determined on the basis of snow depth, snow crusting, daily mean temperatures, and whether animals were concentrated on the winter range during the winter months. This limitation may apply to work requiring a Sundry Notice pending environmental analysis of any operational or production aspects.

Lease Number: COC68797

# TIMING LIMITATION STIPULATION

No surface use is allowed during the following time period(s). This stipulation does not apply to operation and maintenance of production facilities.

February 1 to August 15

On the lands described below:

<u>T 0050S., R 0930W., 6<sup>th</sup> PM</u> Sec. 11: SWNW,N2SW,SESW,SE; Sec. 12: SWNE,E2NW;

For the purpose of protecting:

Raptor nesting and fledgling habitat (includes the golden eagle and all accipiters; falcons, except the kestrel; all buteos; and owls) for a one-quarter mile buffer zone around the nest site.

Any changes to this stipulation will be made in accordance with the land use plan/or the regulatory provisions for such changes. (For guidance on the use of this stipulation, see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820.)

# Exception Criteria:

During years when a nest site is unoccupied by May 15, the seasonal limitation may be suspended. It may also be suspended once the young have fledged and dispersed from the nest.

Lease Number: COC68798

#### CONTROLLED SURFACE USE STIPULATION

Surface occupancy or use is subject to the following special operating constraints.

On the lands described below:

All Lands

For the Purpose of protecting:

Erosive Soils and Slopes Greater Than 30 Percent: special design, construction, and operation and reclamation measures will be required to limit the amount of surface disturbance, to reduce erosion potential, to maintain site stability and productivity, and to insure successful reclamation in identified areas of highly erosive soils and of slopes greater than 30 percent. Highly erosive soils are soils in the "severe" and "very severe" erosion classes based on NARCS Erosion Condition mapping. Areas identified in the RMP as Erosion Hazard Areas and Water Quality Management Areas are also included in this stipulation. Implementation may include relocation of operations beyond 200 meters.

The surface use plan of the APD submitted for wells on erosive soils or slopes greater than 30 percent must include specific measures to comply with the GSRA Reclamation Policy, such as stabilizing the site to prevent settling, land sliding, slumping, and highwall degradation, and controlling erosion to protect the site and adjacent areas from accelerated erosion and sedimentation and siltation of nearby water sources.

Specific performance objectives for the plan include:

- Limitation of total disturbance to 3.0 acres for the wellpad;
- Limitation of the interim "in use" area to 0.5 acres; and
- Maximizing the area of interim reclamation that is shaped to a grade of 3:1 or less; any planned highwall must be demonstrated to be safe and stable and include enhanced reclamation and erosion prevention measures as needed.

The operator must also provide an evaluation of the site's reclamation

potential based on problematic characteristics of the site (slope, aspect, vegetation, depth of soils, soil salinity and alkali content) and a comparison of the site with comparable sites already constructed. When the proposed site is comparable to sites where reclamation has not been successful, the operator will be required to make adjustments to reclamation techniques. Special measures might include: locating production facilities off-site; building roads to higher standards, including surfacing; constructing sediment catchments; reclaiming the reserve pit immediately after use; and applying fertilizers, mulches, soil additives and geotextile fabrics. The Authorized Officer will evaluate plans submitted by the operator and approve a design and any special measures that best accomplish the performance objectives, achieving a reasonable balance of site stability and re-vegetation potential and minimizing overall disturbance.

Lease Number: COC68798

### LEASE NOTICE

This lease may be found to contain historic properties and/or resources protected under the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act, Native American Graves Protection and Repartriation Act, E.O. 13007, or other statutes and executive orders. The BLM will not approve any ground disturbing activities that may affect any such properties or resources until it completes its obligations under applicable requirements of the NHPA and other authorities. The BLM may require modification to exploration or development proposals to protect such properties, or disapprove any activity that is likely to result in adverse effects that cannot be successfully avoided, minimized or mitigated.

On the lands described below:

Lease Number: COC68798

# TIMING LIMITATION STIPULATION

No surface use is allowed during the following time period(s). This stipulation does not apply to operation and maintenance of production facilities.

December 1 to April 30

On the lands described below:

**ALL LANDS** 

For the purpose of protecting:

Big Game Winter Habitat (includes mule deer, elk, pronghorn antelope and bighorn sheep) which includes severe big game winter range and other high value winter habitat as mapped by the Colorado Division of Wildlife.

Any changes to this stipulation will be made in accordance with the land use plan/or the regulatory provisions for such changes. (For guidance on the use of this stipulation, see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820.)

# Exception Criteria:

Under mild winter conditions, the last 60 days of the seasonal limitation period may be suspended after consultation with the CDOW. Severity of the winter will be determined on the basis of snow depth, snow crusting, daily mean temperatures, and whether animals were concentrated on the winter range during the winter months. This limitation may apply to work requiring a Sundry Notice pending environmental analysis of any operational or production aspects.